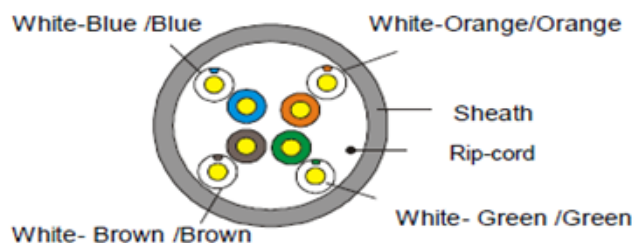


pairs cable category5e - PVC sheath



COLOR:

BLUE-WHITE/BLUE
 ORANGE-WHITE/ORANGE
 GREEN-WHITE/GREEN
 BROWN-WHITE/BROWN



CABLE DESCRIPTION

1-CONDUCTOR

TYPE:SOLID-Copper clad aluminum wire

DIAMETER:0.51±0.005mm

AWG:24/1

2-INSULATION

TYPE:PE solid

DIAMETER:0.9mm±0.01mm

3-RIP CORD

YES

4-OUTER JACKET

TYPE:PE

COLOUR:GREY

THICKNES:0.55mm

EXTERNAL DIAMETER:5.0mm±0.2mm

PASS 70m FLUKE TEST

PARAMETER	UNIT	VALUE
Max.linear tesistance.	Ω /km	≤150
Mutual capacity(nom.)	pF/m	50
Unbalance capacity max	pF/km	1600
Characteristic impedance (1 at 100 MHz)	Ω	100±15
VELOCITY OF PROPAGATION (f>1MHz)	%of c	66

Marking

CAT 5e U/UTP unshielded 4x2xAWG24/1 SOLID 100OHM
 100MHz EIA-TIA 568
 Reaction to fire: Eca; EN 50575:2014+A1: 2016

ELECTRICAL CHARACTERISTICS

Frequency (MHz)	Return loss(dB)	Attenuatin (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1			65,3	62,3	63,8	60,8
4			56,3	53,3	51,8	48,8
10			50,3	47,3	43,8	40,8
16			47,2	44,2	39,7	36,7
20			45,8	42,0	37,8	34,8
25			44,3	41,3	35,8	32,8
31,25			42,9	39,9	33,9	30,9
62,5			38,4	35,4	27,9	24,9
100			35,3	32,3	23,8	20,8

OTHER CHARACTERISTICS

MINIMUM BENDING RADIUS:10×Diameter

PACKING:100m/ROLL (68710)

305m/BOX (95410)



Prepared by: NW